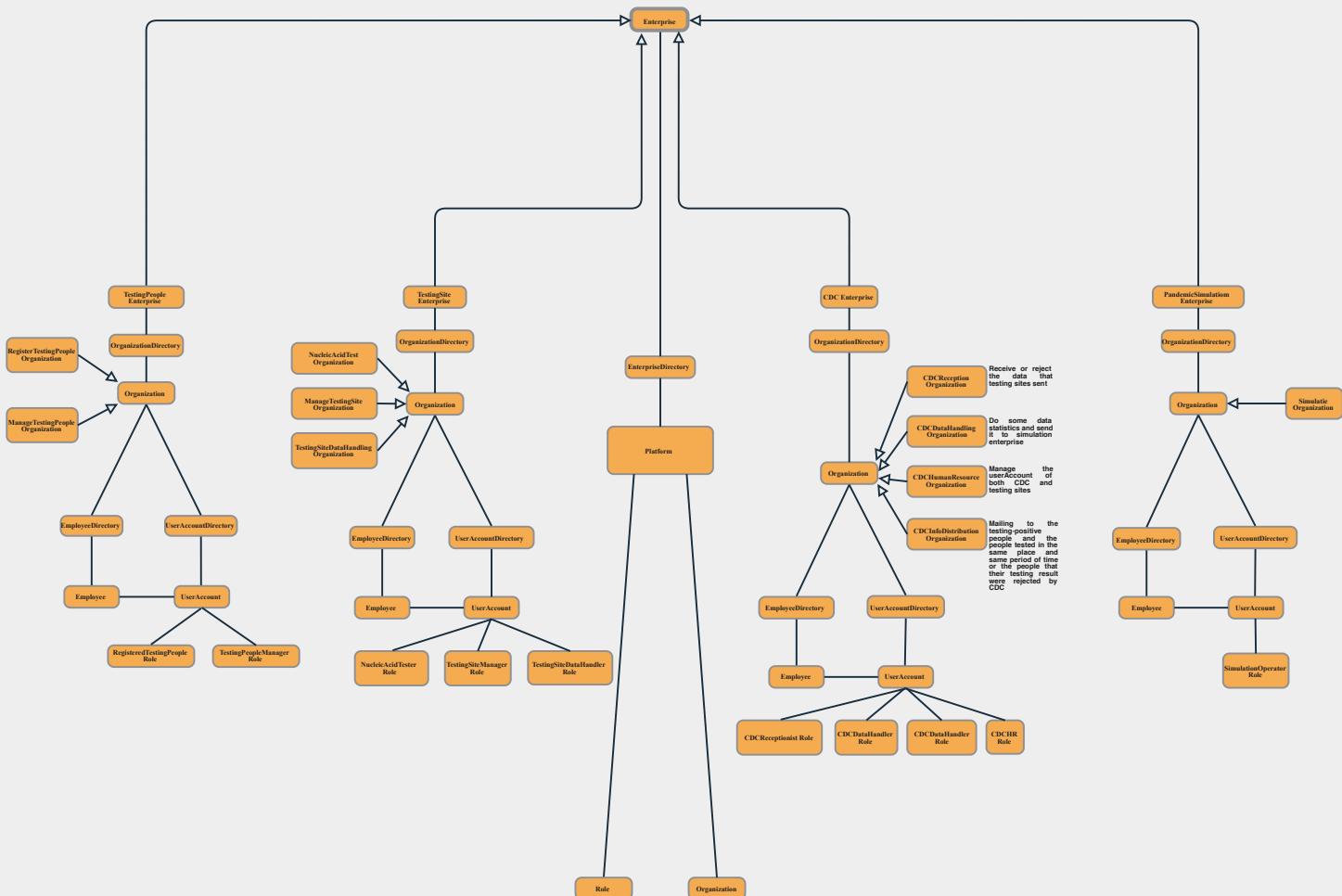
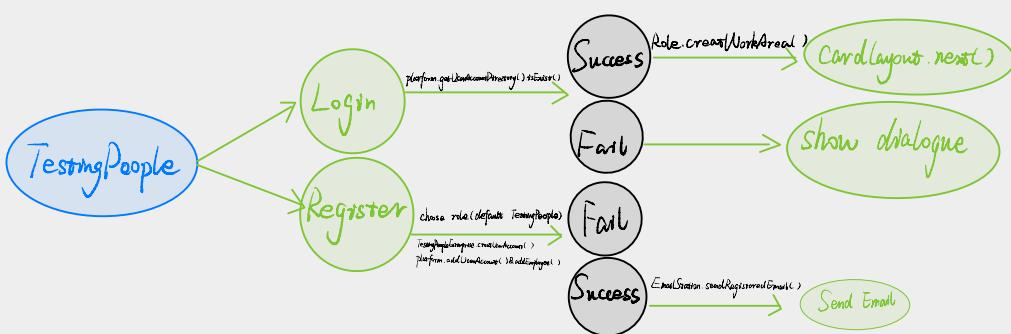
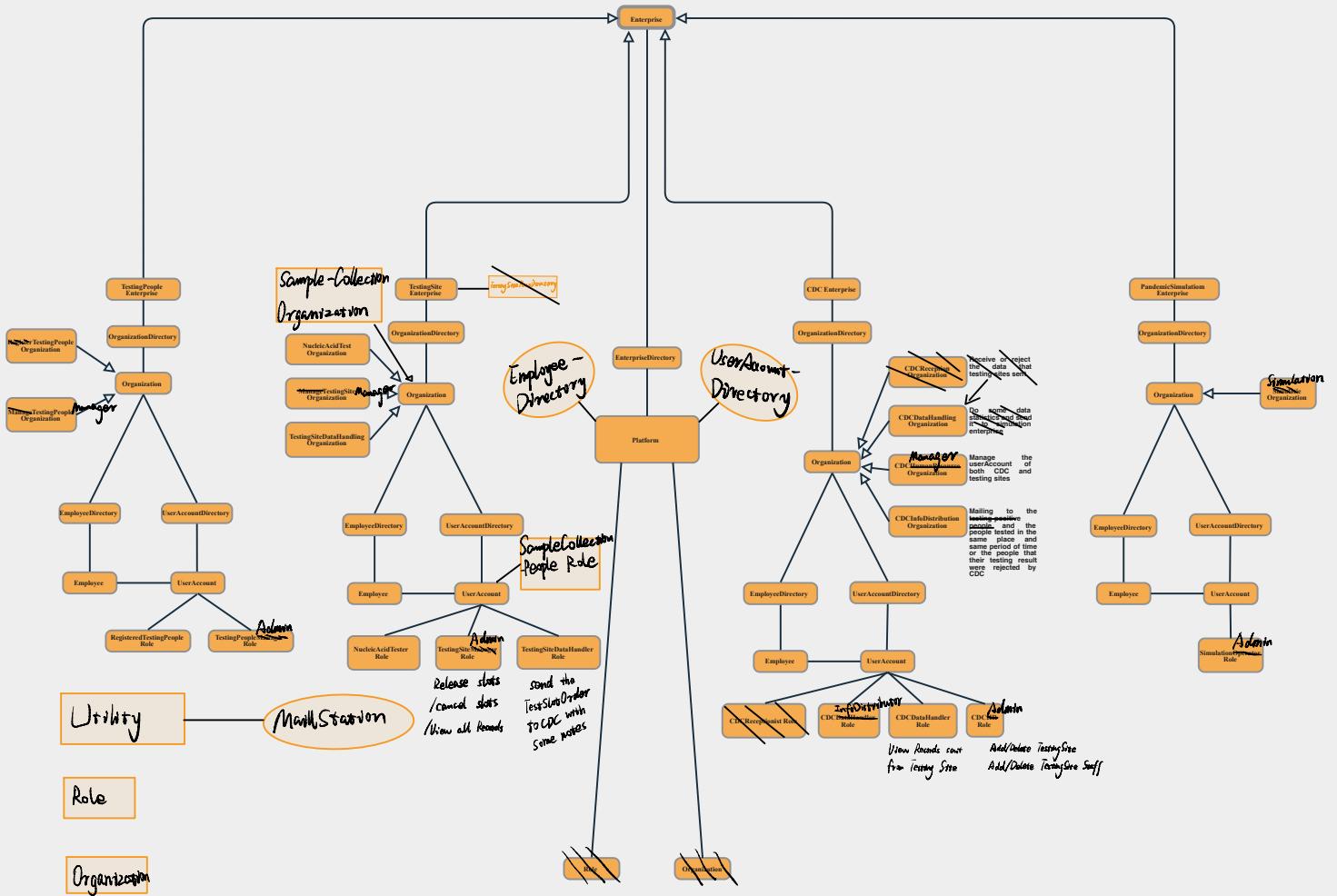


INFO5100 Final Project UML Diagram - 2020 Fall



Liu Lou
001000382

INFO5100 Final Project UML Diagram - 2020 Fall

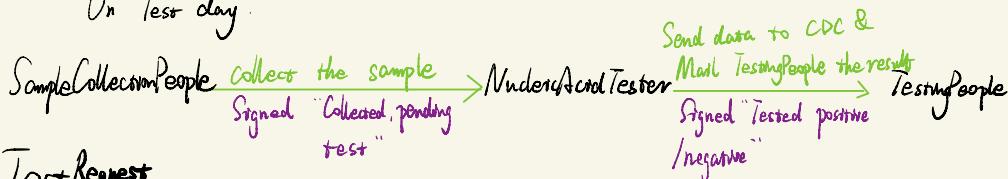


Liu Lou
001000382



Receive info → Done.

On Test day:



Test Request

TestSlotRequest testSlotRequest

int orderID

UserAccount testingPeople

UserAccount SlotReleaser

UserAccount slotCanceller

UserAccount sampleCollector

UserAccount NucleicAcidTester

boolean positive

boolean booked

boolean bookCancelled

Date scheduledTestingDate

Date slotReleaseDate

Date slotCancelDate

Date bookCancelDate

Date bookDate

collectionDate (when sample collector collect the sample)

Date resultDate (when nucleic acid tester submit the result)

Date sendToCDCDate

Date CDCAcceptedDate

isBooked(): boolean

isCancelled(): boolean

isBookCancelled(): boolean

isPositive(): boolean

TestingPeople cannot reorder after cancelling the appointment
cancelBooked() : void → testSlotOrder.addOrder()

boolean testAbsent

boolean slotCancelled

UserAccount senderToCDC

UserAccount CDCAcceptor

Test Slot Request

Date scheduledTestingDate

Date slotReleaseDate

Date cancelDate

Date sendToCDCDate

Date CDCAcceptedDate

List<TestReport> testReports

UserAccount testSlotReleaser

int capacity

UserAccount canceler

UserAccount senderToCDCPeople

UserAccount CDCDataHandler

boolean isCancelled

int bookedTestRequestCount

int absentTestingRequestCount/cancelledTestingRequestCount

boolean sampleCollectionCompleted

boolean nucleicAcidTestCompleted

Date sampleCollectionCompletedDate

Date nucleicAcidTestCompletedDate

boolean SampleCollecting

boolean NucleicAcidTesting

bookOneTestOrder(): TestOrder

isFull(): boolean

cancelAll(): void

hasPositive(): boolean

isCancelled(): boolean

addOrder(): TestOrder

TestSlotOrder(Date startDate, int capacity)

```
{ testOrderList = new ArrayList<TestOrder>();
for (int i = 0; i < capacity; i++)
{ testOrderList.add(new TestOrder(startDate, i)); }
```

boolean sentToCDC

boolean CDCAccepted

MessageRequest extends WorkRequest

String message

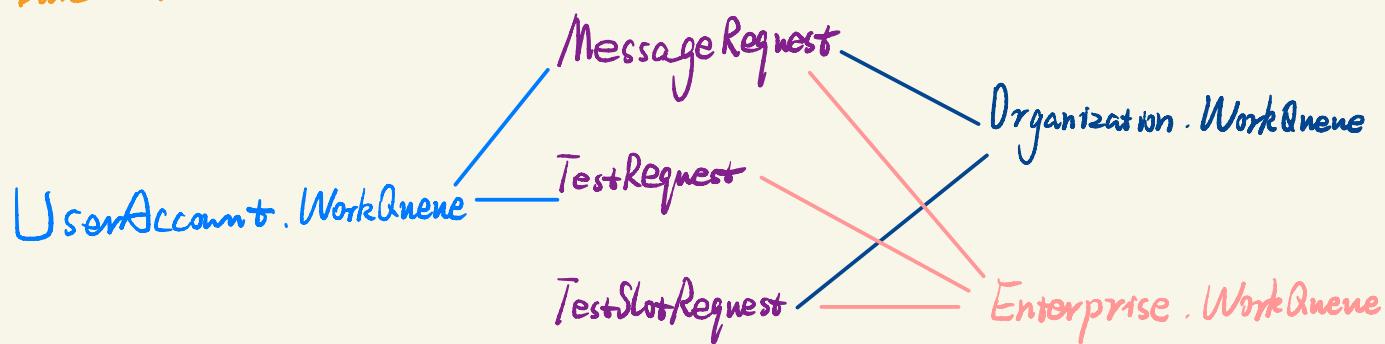
UserAccount sender

UserAccomis receiver

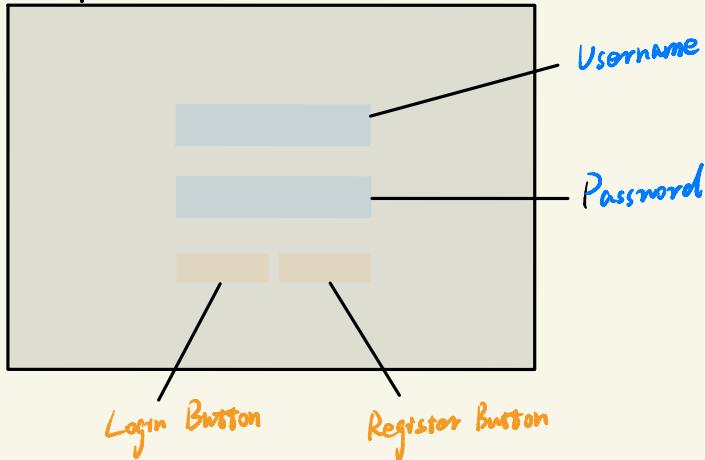
boolean read

Date sendDate

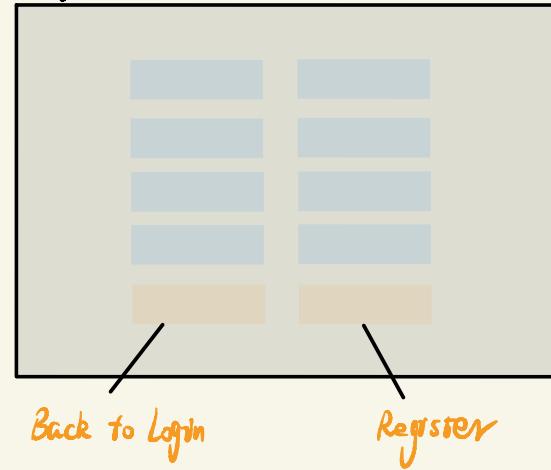
Date readDate



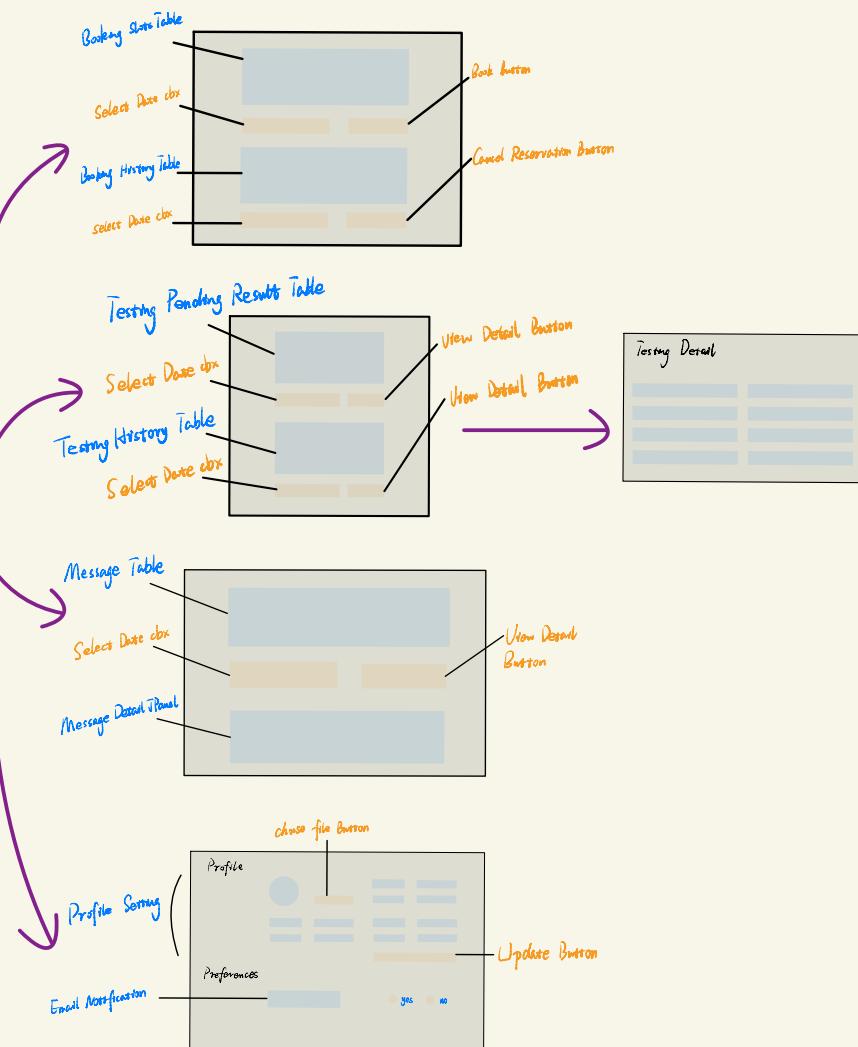
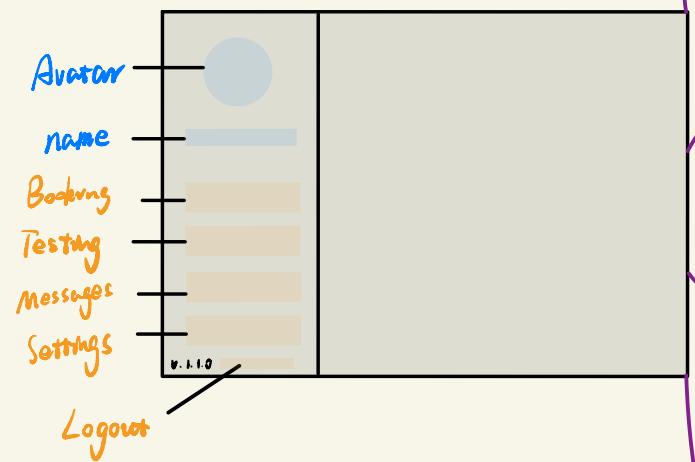
Platform Entrance



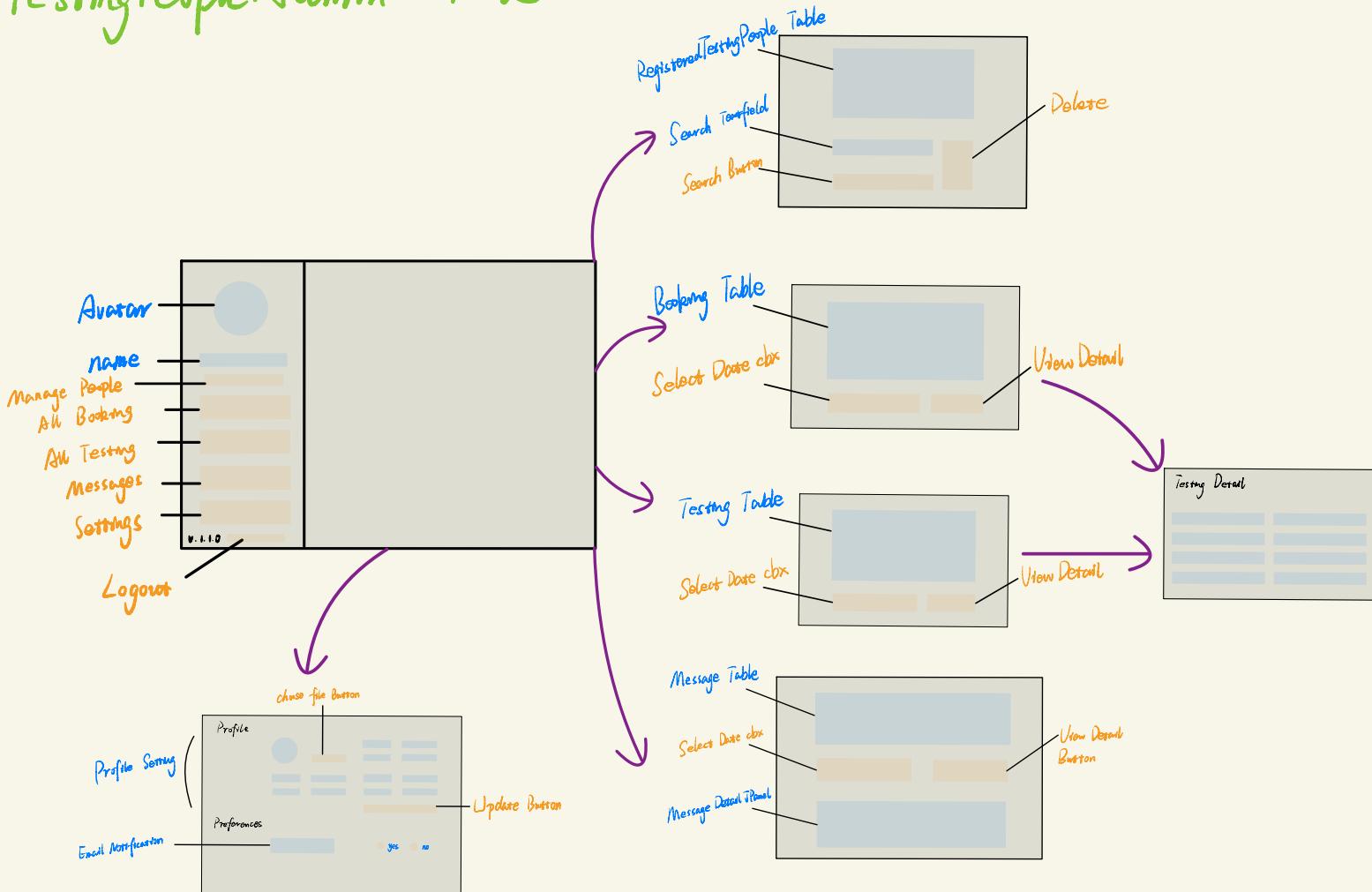
Register Page



Registered Testing People Role

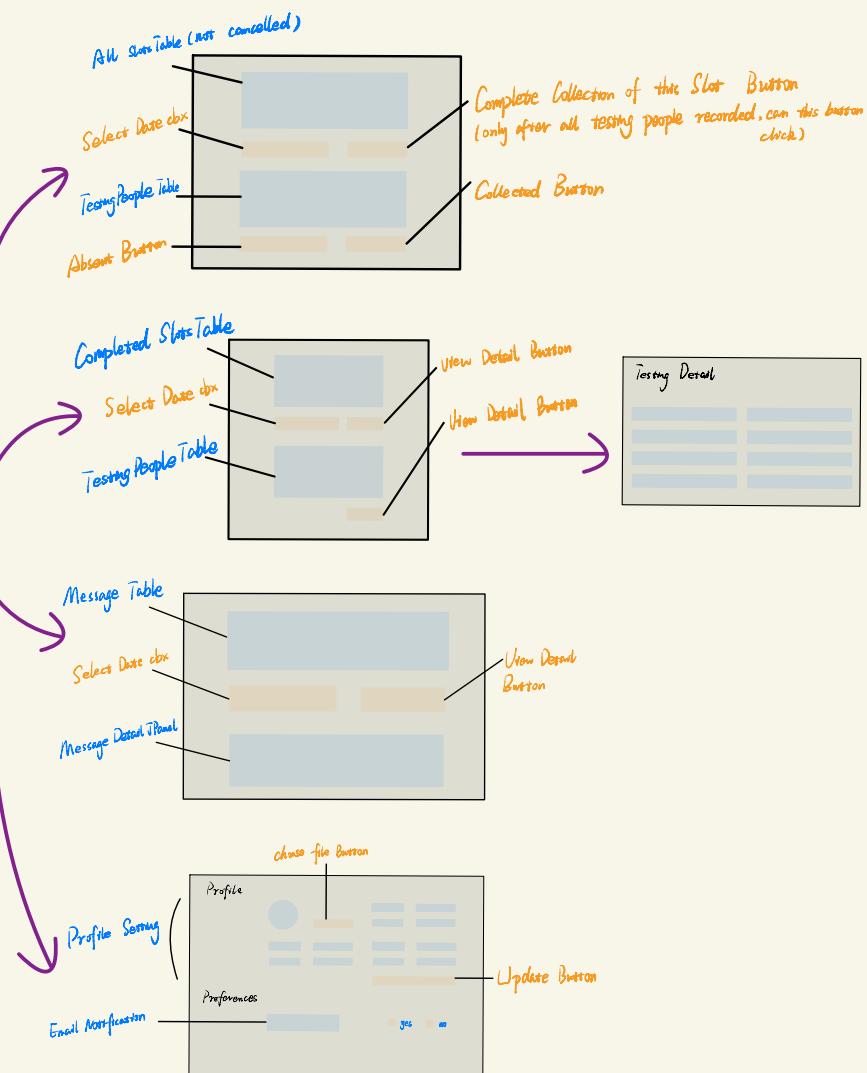


Testing People Admin Role

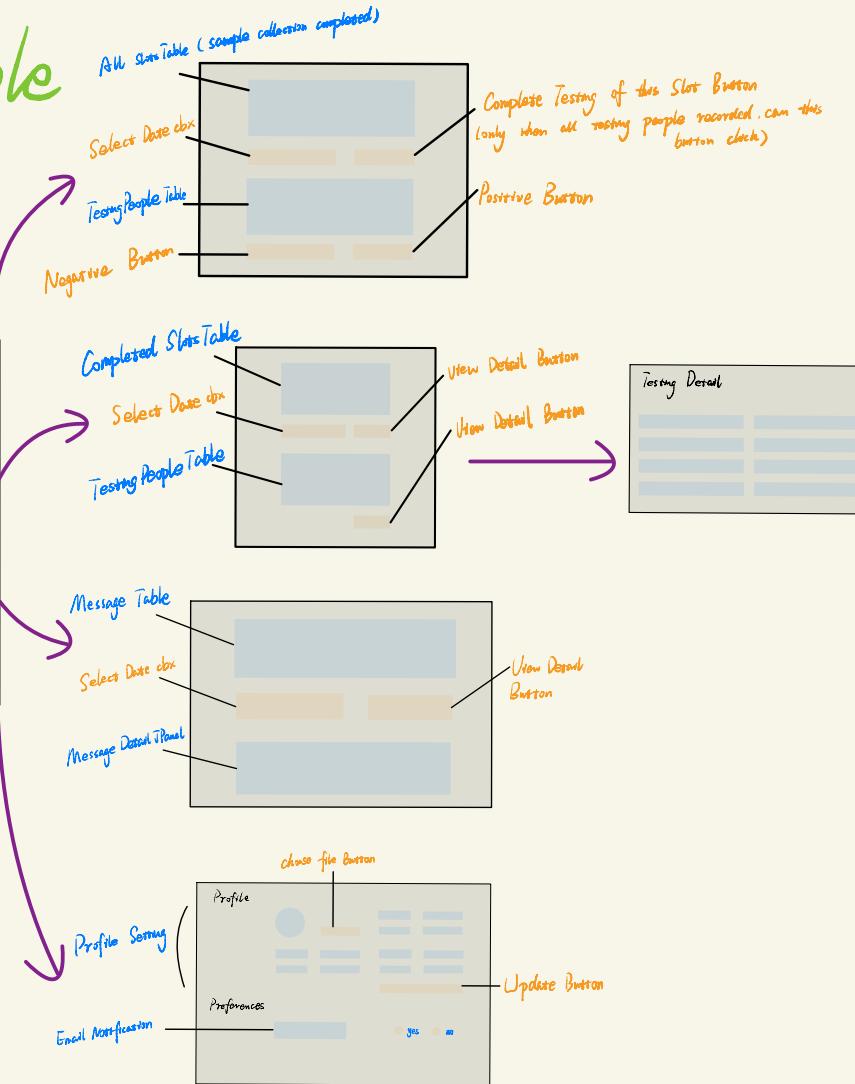
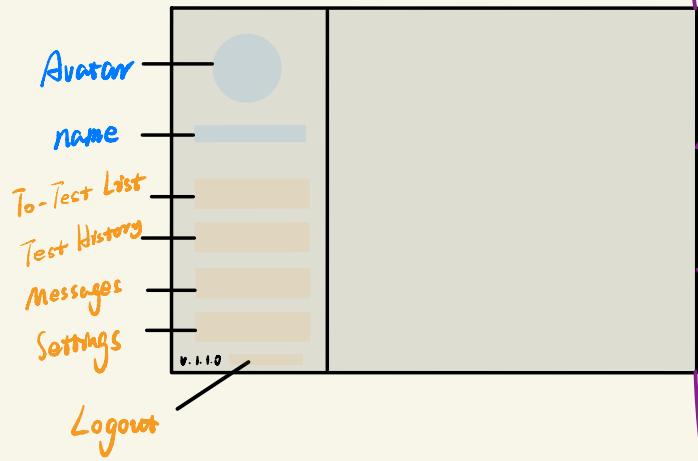


Sample Collection People Role

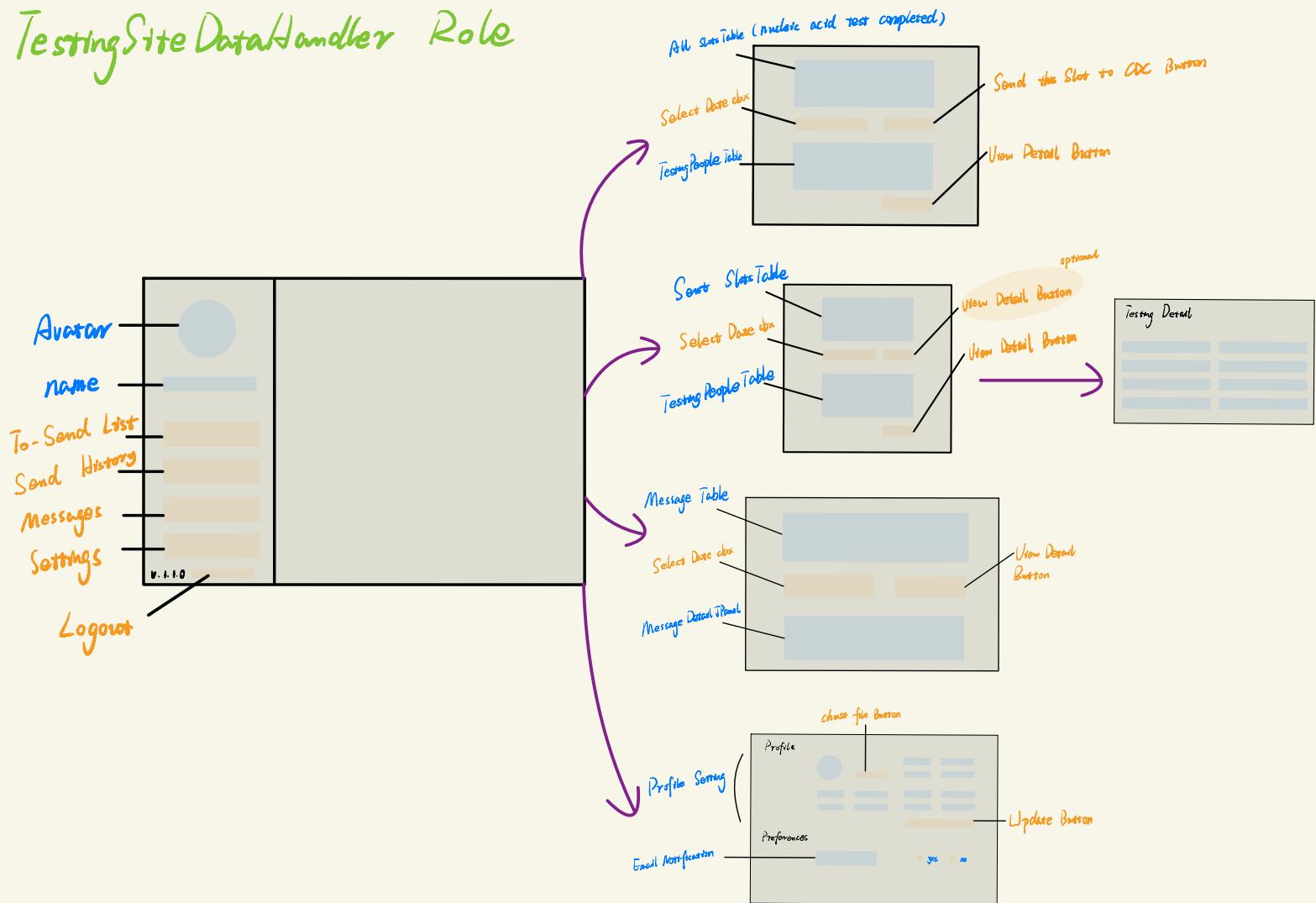
Avatar	
name	
To-collect List	
Collection History	
Messages	
Settings	
V.1.1.0	
Logout	



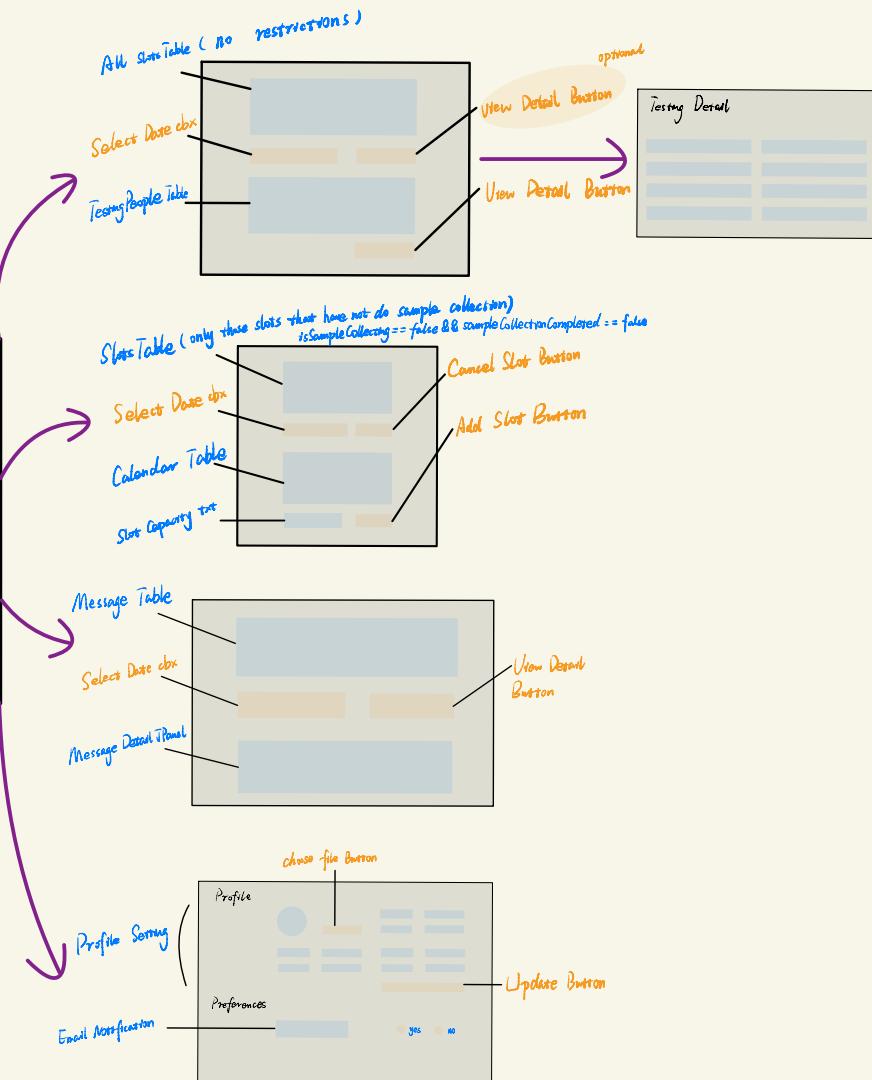
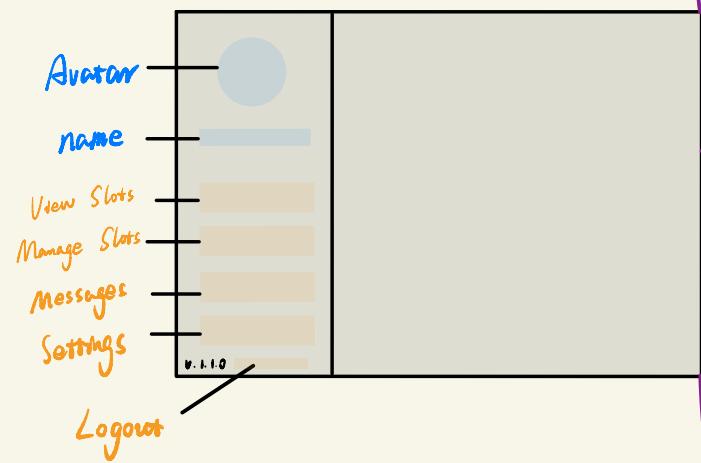
Nucleic Acid Tester Role



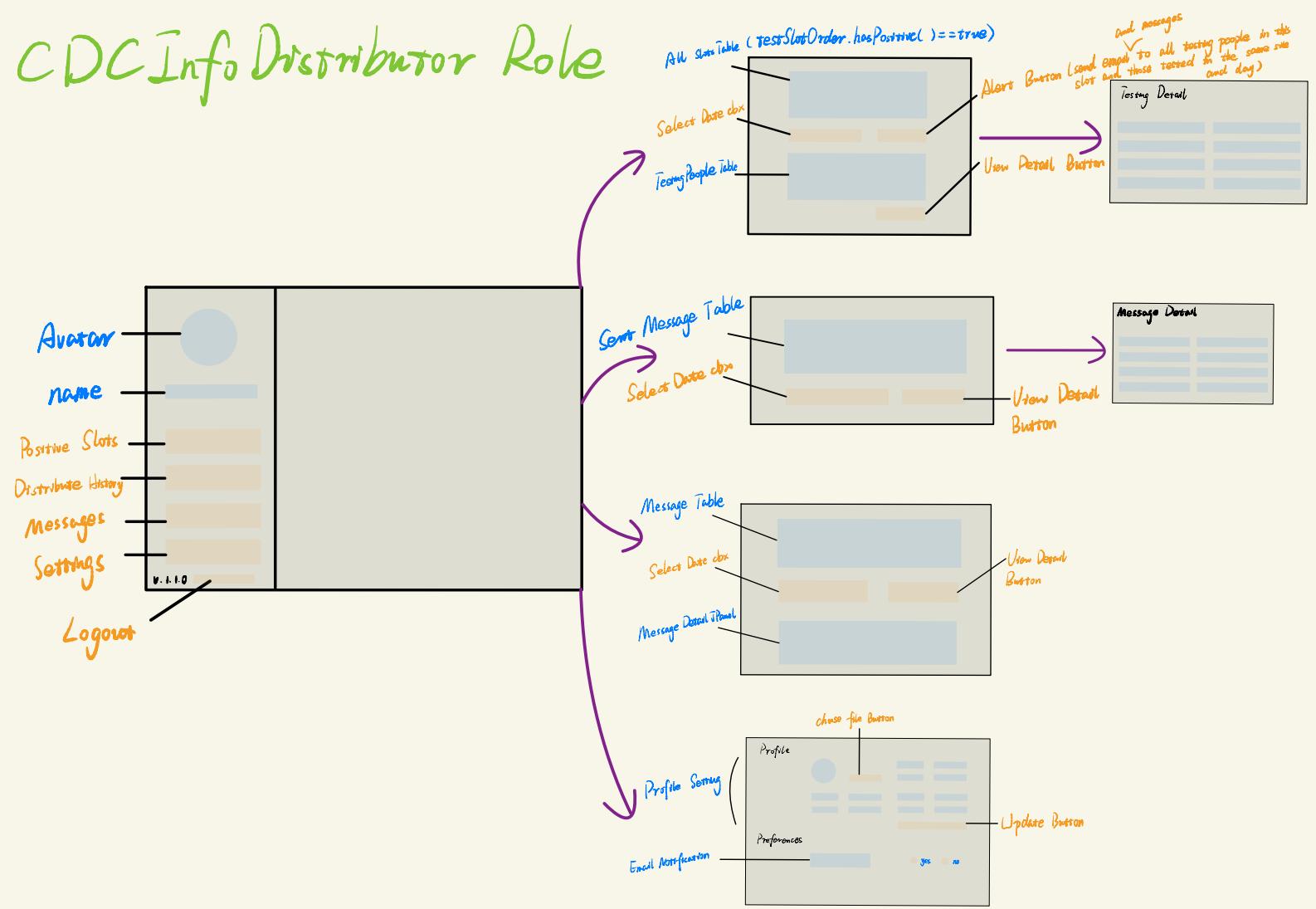
Testing Site Data Handler Role



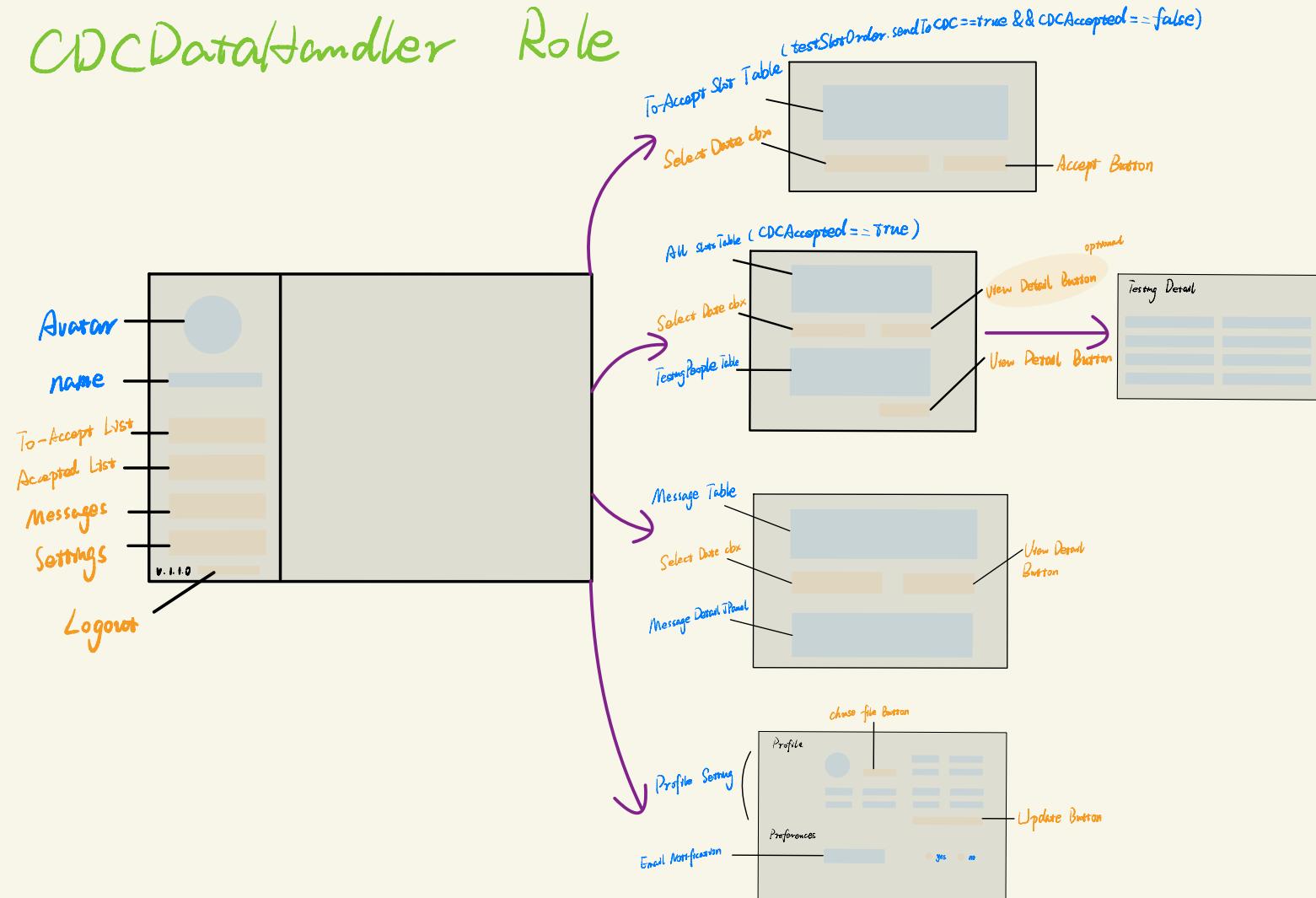
Testing Site Admin Role



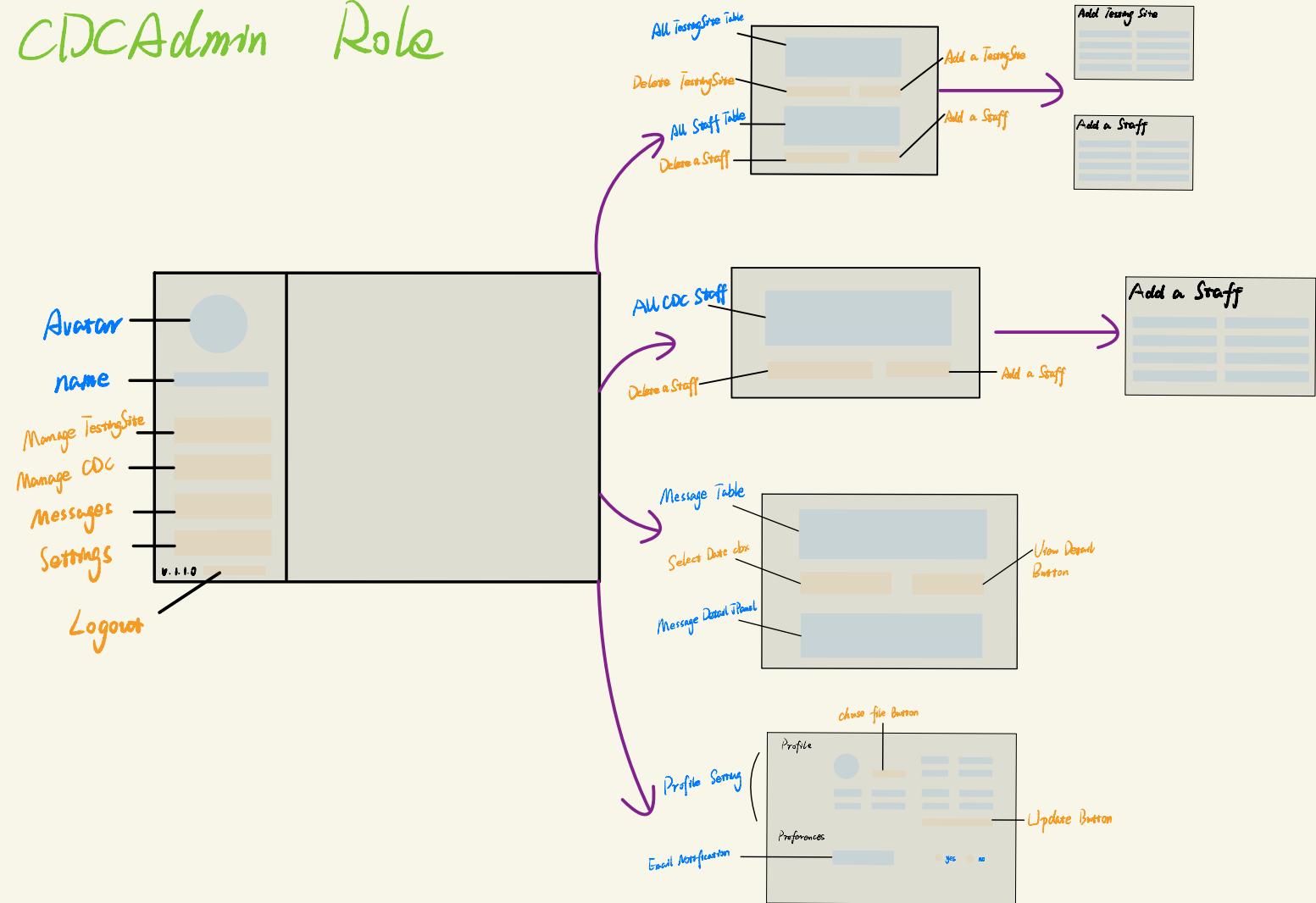
CDCInfo Distributor Role



CDCDataHandler Role



CDC Admin Role



Simulation Admin Role

